NETWORKS
AN INTERNATIONAL JOURNAL

Author Index to Volume 30, 1997

Alexopoulos, C.: State Space Partitioning Methods for Stochastic Shortest Path Problems, 9

Bermond, J.-C., Dawes, R. W., and Ergincan, F. Ö.: De Bruijn and Kautz Bus Networks, 205
Bermond, J.-C., Liu, Z., and Syska, M.: Mean Eccentricities of de Bruijn Networks, 187

Chang, G. J., and Hwang, F. K.: Optimality of Consecutive and Nested Tree Partitions, 75
Chen, G.-H.: On the Rabin Number Problem
Cheriyan, J.: see Yu, B.
Choi, H.-A.: see Lee, S.-K.
Cordeau, J.-F., Gendreau, M., and Laporte, G.: A Tabu Search Heuristic for Periodic and Multi-Depot Vehicle Routing Problems, 105
Crama, Y., and Oosten, M.: The Polytope of Block Diagonal Matrices and Complete Bipartite Partitionings, 263

Dawes, R. W.: see Bermond, J.-C.
Day, D. P., Oellermann, O. R., and Swart, H. C.: A Characterization of 3-Steiner Distance Hereditary Graphs, 243
Dragan, F. F., and Nicolai, F.: r-Domination Problems on Homogeneously Orderable Graphs, 121
Duh, D.-R., and Chen, G.-H.: On the Rabin Number Problem, 219

Ergincan, F. Ö.: see Bermond, J.-C.

Gen, M.: see Zhou, G.
Gendreau, M.: see Cordeau, J.-F.
Gilbert, B., and Myrvold, W.: Maximizing Spanning Trees in Almost Complete Graphs, 23

Hakimi, S. L., and Schmeichel, E. F.: Locating Replicas of a Database on a Network, 31
Hu, X. D.: see Hwang, F. K.
Hwang, F. K.: see Chang, G. J.
Hwang, F. K., Wright, P. E., and Hu, X. D.: Exact Reliabilities of Most Reliable Double-Loop Networks, 81

Lam, P. C. B., and Zhang, Z.: The Vertex-Face Total Chromatic Number of Halin Graphs, 167
Laporte, G.: see Cordeau, J.-F.
Lawrencenko, S., and Luo, Q.: Graphs with Given Connectivity Properties, 255
Lee, S.-K., and Choi, H.-A.: Link-Disjoint Embedding of Complete Binary Trees in Meshes, 283
Liu, Z.: see Bermond, J.-C.
Lonc, Z., Parol, K., and Wojciechowski, J. M.: On the Asymptotic Behavior of the Maximum Number of Spanning Trees in Circulant Graphs, 47
Luo, Q.: see Lawrencenko, S.

Myrvold, W.: see Gilbert, B.

Ng, P. H., and Rardin, R. L.: Commodity Family Extended Formulations of Uncapacitated Fixed Charge Network Flow Problems, 57
Nicolai, F.: see Dragan, F. F.

Oellermann, O. R.: see Day, D. P.
Oosten, M.: see Crama, Y.

Parol, K.: see Lonc, Z.

Rardin, R. L.: see Ng, P. H.
Rodriguez, J., and Traldi, L.: (K,j)-Domination and (K,j)-Reliability, 293

Sahinidis, N. V.: see Vander Wiel, R. J.
Schmeichel, E. F.: see Hakimi, S. L.
Swart, H. C.: see Day, D. P.
Syska, M.: see Bermond, J.-C.

Traldi, L.: see Rodriguez, J.

Vander Wiel, R. J., and Sahinidis, N. V.: The Assignment Problem with External Interactions, 171

Wang, G., and Zhang, L.: The Structure of Max λ–Min $m_{\lambda+1}$ Graphs Used in the Design of Reliable Networks, 231
Winter, P., and Zachariasen, M.: Euclidean Steiner Minimum Trees: An Improved Exact Algorithm, 149
Wojciechowski, J. M.: see Lonc, Z.
Wright, P. E.: see Hwang, F. K.

Xue, G.: Linear Time Algorithms for Computing the Most Reliable Source on an Unreliable Tree Network, 37

Yu, B., and Cheriyan, J.: The Node Multiterminal Cut Polyhedron, 133

Zachariasen, M.: see Winter, P.
Zhang, L.: see Wang, G.
Zhang, Z.: see Lam, P. C. B.
Zhou, G., and Gen, M.: A Note on Genetic Algorithms for Degree-Constrained Spanning Tree Problems, 91

NETWORKS
AN INTERNATIONAL JOURNAL

Subject Index to Volume 30, 1997

A-tree inequalities, 133
Algorithms
  factoring, 293
  genetic, 91
  geosteiner96, 149
  linear time, 37
  primal-dual, 171
  sequential shortest path, 171
Assignment problem, external interactions, 171

Binary trees, embedding in meshes, 283
Bottleneck property, 149
Bus interconnection networks, 205

c-center problem, 37
Chromatic number, total, vertex-face, 167
Circulant graphs, 47
Circulant networks, 219
Commodity family extended formulations, 57
Communication network, reliably connected, 255
Communications, latency, 283
Connectivity properties, 255
Consecutive partitions, 74
Criticality index, 9

Daisy chain, 81
Database, replicas, locating on network, 31
de Bruijn bus network, 205
de Bruijn networks, mean eccentricities, 187
Degree-constrained spanning tree problem, 91
Double-loop networks, most reliable, 81

Eccentricity, de Bruijn networks, 187
Embeddings, binary trees in meshes, 283
Euclidean Steiner tree problem, 149

Genetic algorithms, 91
geosteiner96, 149
Graphs
  almost complete, 23
  bipartite, 263
  connectivity properties, 255
  Halin, 167
  homogeneously orderable, 121
  max λ–min $m_{\lambda+1}$, 231
  node multiterminal cut, 133
  3-Steiner distance hereditary, 243

Halin graph, 167
Hypercubes, 219
Hypergraphs, directed, 206

Inequalities
  facet-defining, 263
  facet-inducing, 133
Interconnection networks, Rabin number, 219
Irreducible graphs, 255

Kautz bus network, 205
(K,j)-reliability, 293

Link model, 81
Lune property, 149

Matrix, block diagonal, 263
Meshes, binary trees embedded in, 283
Minimum s – t cut problem, 133
Minimum spanning tree, 91
Monte Carlo methods, 9
Multi-depot vehicle routing problem, 105

Nested partitions, 74
Networks
  de Bruijn, 187
  de Bruijn bus, 205
  double-loop, most reliable, 81
  K-terminal, 293
  Kautz bus, 205
  locating database replicas, 31
Node model, 81
Node multiterminal cut, 133
Nodes, reliably connected, 255

Odd wheel inequalities, 133
p-median theorem, 31

Partitioning
  bipartite, 263
  state space, 9
Periodic traveling salesman problem, 105
Periodic vehicle routing problem, 105
Polyhedron, node multiterminal cut, 133
Polytope, block diagonal matrices and bipartite partitionings, 263

r-domination problems, 121
Rabin number problem, 219
Redundancy quotient graphs, 255
Redundant node, 255
Reliability, 37
  condition, 255
  max λ–min $m_{\lambda+1}$, 231
  see also Spanning trees
Routing problems, periodic and multi-deport, 105

Shortest path problem, stochastic, 9
Spanning trees
  degree-constrained, 91
  maximizing, 23
  maximum number in circulant graphs, 47
Square inequalities, 263
State space partitioning methods, 9
Steiner distance hereditary, 243
Steiner minimum trees, 149
Tabu search heuristic, 105
Time complexity, 37
Tree networks, unreliable, computing most reliable source on, 37
Trees, consecutive and nested partitioning, 74

Uncapacitated fixed charge network flow problems, 57
Uniform model, 81

W K-recursive networks, 219
Wedge property, 149